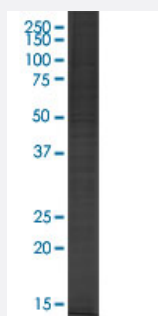


ST3GAL1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00006482-T02

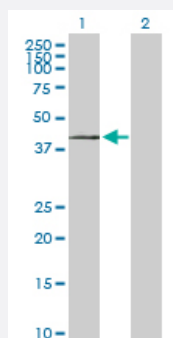
Size 100 uL

Applications



SDS-PAGE Gel

ST3GAL1 transfected lysate.



Western Blot

Lane 1: ST3GAL1 transfected lysate (39.1 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-ST3GAL1 full-length

Host Human

Theoretical MW (kDa) 39.1

Quality Control Testing Transient overexpression cell lysate was tested with Anti-ST3GAL1 antibody ([H00006482-D01](#)) by Western Blots.
SDS-PAGE Gel
ST3GAL1 transfected lysate.
Western Blot
Lane 1: ST3GAL1 transfected lysate (39.1 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ST3GAL1

Entrez GeneID	6482
GeneBank Accession#	NM_003033.2
Protein Accession#	NP_003024.1
Gene Name	ST3GAL1
Gene Alias	DKFZp666E036, DKFZp779K2051, FLJ36548, Gal-NAc6S, MGC9183, SIAT4A, SIATFL, ST3GalA, ST3GalA.1, ST3GalIA, ST3GalIA.1, ST3O
Gene Description	ST3 beta-galactoside alpha-2,3-sialyltransferase 1
Omim ID	607187
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a type II membrane protein that catalyzes the transfer of sialic acid from CMP-sialic acid to galactose-containing substrates. The encoded protein is normally found in the Golgi but can be proteolytically processed to a soluble form. Correct glycosylation of the encoded protein may be critical to its sialyltransferase activity. This protein, which is a member of glycosyltransferase family 29, can use the same acceptor substrates as does sialyltransferase 4B. Two transcript variants encoding the same protein have been found for this gene. Other transcript variants may exist, but have not been fully characterized yet. [provided by RefSeq]
Other Designations	CMP-N-acetylneuraminate-beta-galactosamide-alpha-2,3-sialyltransferase Gal-beta-1,3-GalNAc-alpha-2,3-sialyltransferase alpha 2,3-ST[sialyltransferase 4A (beta-galactosidase alpha-2,3-sialyltransferase)]sialyltransferase 4A (beta-galactoside alpha-2,3-sialyltransferase)

Pathway

- [Glycosphingolipid biosynthesis - ganglio series](#)

- [Glycosphingolipid biosynthesis - globo series](#)
- [Keratan sulfate biosynthesis](#)
- [Metabolic pathways](#)
- [O-Glycan biosynthesis](#)

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)